|           | INFORMATION DISCLOSURE |                  | ATTY. DOCKET NO. SERIAL NO. |                                 |   |            |               |           |             |
|-----------|------------------------|------------------|-----------------------------|---------------------------------|---|------------|---------------|-----------|-------------|
| $\lambda$ | O I A STATEMENT        |                  |                             | 39754-0672A 09/847,208          |   |            |               |           |             |
|           | 4./                    | PTO-1449         |                             | APPLICANT: Andrew Saxon, et al. |   |            |               |           |             |
|           | AR 1 4 7006 8          |                  |                             | FILING I                        | DATE: 05/01/2001                            | GRO        | OUP: 1644     | •         |             |
| (4)       | Burnes (tr             |                  | U.S                         | . PATENT                        | DOCUMENTS                                   | •          |               |           |             |
|           | EXAMINER'S<br>INITIALS | PATENT NO.       | DATE                        |                                 | NAME .                                      |            | SUBCLASS      | FILIN     | G DATE      |
|           | PAK                    | 5,141,648        | 08/25/1992                  | Hylaride                        | s, et al.                                   | 210        | 635           |           |             |
|           |                        | 5,358,710        | 10/25/1994                  | Sehon, e                        | t al.                                       | 424        | 178.1         |           |             |
|           |                        | 5,512,283        | 04/30/1996                  | Byers, et                       | al.   | 424        | 171.1         |           |             |
|           |                        | 5,558,869        | 09/24/1996                  | Burks, Jr                       | ., et al.                                   | 424        | 276.1         | 1         |             |
|           |                        | 5,560,915        | 10/01/1996                  | Patterson                       | , et al.                                    | 424        | 275,1         |           |             |
|           |                        | 5,637,454        | 06/10/1997                  | John B. I                       | Harley                                      | .435       | 005           |           |             |
|           |                        | 5,645,820        | 07/08/1997                  | David Al                        | len Halfer, et al.                          | 424        | 041           |           |             |
| İ         |                        | 5,672,683        | 09/30/1997                  | Friden, e                       | t al.                                       | 530 /      | 350           |           |             |
| ı         |                        | 5,736,507        | 05/07/1998                  | Anna Ma                         | ria Boots, et al.                           | 514        | 005           |           |             |
| Ì         |                        | 5,843,449        | 12/01/1998                  | Anna Ma                         | ria Boots, et al,                           | 424        | 185.1         |           |             |
|           |                        | 5,869,093        | 02/09/1999                  | Howard !                        | L. Weiner, et al.                           | 424        | 451           |           |             |
| ۱         |                        | 5,880,103        | 03/09/1999                  | Urban, et                       | al  | 514        | 44.           |           |             |
| Ì         |                        | 5,977,307        | 11/05/1999                  | Friden, et                      | 140   | 530        | 350           |           | -           |
| Ì         |                        | 6,103,697        | 08/15/2000                  | Bergstraf                       | d, et al                                    | . 514      | 14            | \ <u></u> |             |
| İ         |                        | 6,214,974        | 04/10/2001                  | Rosenblu                        | m, et al.                                   | 530        | 391.9         |           |             |
| İ         |                        | 6,228,373        | 05/08/2001                  | Bergstrand, et al.              |   | 424        | 278.1         |           |             |
| Ì         |                        | 6,228,374        | 05/08/2001                  | Bergstrand, et al.              |   | 424        | 278.1         |           | 7           |
| t         | .                      | 6,287,792        | 09/11/2001                  | Pardridge                       | Pardridge, et al.                           |            | 7.5           |           |             |
| İ         | 7                      | 6,372,250        | 04/16/2002                  | Pardridge                       | e, et al.                                   | 424        | 450           |           |             |
| t         |                        | <u> </u>         | FØRE                        | EIGN PATENT DOCUMENTS           |   |            |               |           |             |
|           | EXAMINER'S<br>INITIALS | PATENT NO.       | . DA                        | TE                              | COUNTRY                                     | CLASS      | SUBCLASS      | YES       | NO          |
| ŀ         | Dig                    | WO 2000/005254/  | 3 February                  | 2000                            | WIPO  | C07K       | 14/47         | TES       | NO 🖂        |
| ŀ         | TO IN                  | WO 1999/067293   | 29 Decemb                   | er 1999                         | WIPO  |            | 16/46         |           | Ø           |
| ŀ         | \\T.\\                 |                  | UMENTS (I                   | ncludino A                      | ıthor, Title, Date, Pe                      | rtinent Pa | ges, Etc.)    |           | <del></del> |
|           | Put                    | Alvarez-Fernance | dez, Marcia,<br>nd Reactive | et al., "Inh<br>Site", The .    | ibition of Mammalia<br>Journal of Biologica | n Legum    | ain by Some C |           |             |
|           | EXAMINER               | M. S. S.         |                             | DATE CO                         | ONSIDERED                                   | 3/21       | 106           |           |             |

| INFORMATION DISCLOSURE  |   |  |  |  |
|---|---|--|--|--|
|   | ATTY. DOCKET NO.  | SERIAL NO.   |  |  |
| STATEMENT   | 39754-0672A   | 09/847,208   |  |  |
|   | APPLICANT: Andrew Saxon, et al.                                       |  |  |  |
| PTO-1449  | FILING DATE: 05/01/2001   | GROUP: 1644  |  |  |
|   | (Including Author, Title, Date, Per                                   |  |  |  |
| American Autoimmune Ro<br>07/26/2001 (http://www.az   | elated Diseases Association, Ques<br>arda.org/questions_and_answers.h | ations and Answers, pp. 1-4,   |  |  |
| Resources for Health Professionals: Anaphylaxis, pp. 1-10, 09/18/2001 (http://www.worldallergy.org/professional/allergy_update/anap/anaphylaxissyr  |   |  |  |  |
| Dihydrolipoyl Transacylas   | se (BCKD-E2) Protein that Reacts                                      | nain Alpha-Ketoacid Dehydrogenase<br>with Sera from Patients with<br>153(10):4754-65, 15 November 1994 |  |  |
| AroTec Diagnostics Limit (http://webnz.com/arotec/r   | ed - ß2-Glycoprotein 1 (human), p<br>nasa5002.htm)                    | pp. 1-3, July 12, 2001   |  |  |
| AroTec Diagnostics Limit (http://webnz.com/arotec/r   | ed - Myeloperoxidase (pANCA) A<br>nasa5009.htm)                       | Antigen, pp. 1-3, July 12, 2001  |  |  |
| AroTec Diagnostics Limit (http://webnz.com/arotec/r   | ed - Proteinase 3 (cANCA) Antig<br>masa5008.htm)                      | en, pp. 1-3, July 12, 2001   |  |  |
| AroTec Diagnostics Limit (http://webnz.com/arotec/r   | ed - La (SSB) Antigen, pp. 1-3, Junasa5010.htm)                       | ily 12, 2001   |  |  |
| AroTec Diagnostics Limit (http://webnz.com/arotec/r   | ed - Ro (SSA) Antigen, pp. 1-3, J<br>nasa5011.htm)                    | uly 11, 2001   |  |  |
| AroTec Diagnostics Limit (http://webnz.com/arotec/r   | ed - Sm Antigen pp. 1-3, July 12,<br>nasa5007.htm)                    | , 2001   |  |  |
| AroTec Diagnostics Limite (http://webnz.com/arotec/r  | ed - RNP/Sm Antigen, pp. 1-3, Ju<br>nasa5006.htm)                     | aly 12, 2001   |  |  |
| AroTec Diagnostics Limite (http://webnz.com/arotec/r  | ed - Scl-70 Antigen, pp. 1-3, July<br>nasa5001.htm)                   | 12, 2001   |  |  |
| AroTec Diagnostics Limite (http://webnz.com/arotec/r  | ed Parietal Cell Antigen (H/K-A<br>masa5004.htm)                      | TPase), pp. 1-3, July 12, 2001   |  |  |
| AroTec Diagnostics Limite (http://webnz.com/arotec/n  | ed - Jo-1 Antigen, pp. 1-2, 07/11/<br>nasa5005.htm)                   | 2001   |  |  |
| "Autoantigen Sequences", pp. 1-3, 07/11/2001 (http://129.206.51.31/mb/ana_base.html)  |   |  |  |  |
| "Autoimmune Disease: Rapid Progress in our Understanding of Immune Function Promises More Effective Treatments for Autoimmune Disorders", Nature Biotechnology, Vol. 18, pp. IT7-IT9, Supplement 2000 |   |  |  |  |
| BARKER RN, et al., "Red Blood Cell Glycophorins as B and T-cell Antigents in Canine Autoimmune Haemolytic Anaemia", (abstract) Vet Immunol Immunopathol, 47(3-4):225-38, August 1995                  |   |  |  |  |
| XAMINER YOU MA  | DATE CONSIDERED   | 3/21/06  |  |  |

| INFORMATION DISCLOSURE  | ATTY. DOCKET NO.  | SERIAL NO.  |  |  |  |
|---|---|---|--|--|--|
| STATEMENT   | 39754-0672A   | 09/847,208  |  |  |  |
| PTO-1449  | APPLICANT: Andrew Saxon, et al.   |   |  |  |  |
| P10-1449  | FILING DATE: 05/01/2001   | GROUP: 1644   |  |  |  |
| OTHER DOCUMENTS   | (Including Author, Title, Date, Pertin  | ent Pages, Etc.)  |  |  |  |
| "alphaß-Crystallin In Multi<br>(http://www.albany.net/~tjo  | iple Sclerosis", J. Immunol, Vol. 12<br>c/crystalline.html)   | 9-135, pp. 1-5, July 20, 2001   |  |  |  |
| BAJRAMOVIC, JJ, et al., Lesions: An Early Event F<br>Immunologists, Vol 164, pp                                     | "Presentation of aB-Crystallin to Tollowing Inflammatory Demyelinatory 1, 4359-4366, 2000   | Cells in Active Multiple Sclerosis tion", The American Association of                           |  |  |  |
| BIGAZZI, PE, MD, Lectur<br>July 30, 2001, (http://155.3   | re on "Autoimmune Disease", The U7.1.60/Lectures/PB/Autoimmune.h  | Jniversity of Connecticut, pp. 1-6, tml)  |  |  |  |
| BONFA, E., et al., "Freque<br>Humans with Systemic Lup<br>Immunol; 140(1):3434-343                                  | ency and Epitope Recognition of An<br>pus Erythematosus and MRL/lpr Mi<br>17, 15 May 1998   | nti-Ribosome P Antibodies from ice are Similar", (abstract), J                                  |  |  |  |
| BRIDGES, SL, Jr., et al., "Arthritis", Emerging Thera   | T-Cell Receptor Peptide Vaccination pies for Rheumatoid Arthritis, Vol.   | n in the Treatment of Rheumatoid<br>24, pp. 641-650, 1998                                       |  |  |  |
| CAMBIER, JC, "Comment 94, pp. 5993-5995, 1997   | tary: Inhibitory receptors abound?"   | Proc. Natl. Acad. Sci. USA, Vol.  |  |  |  |
| CHAPMAN, MARTIN D.,<br>Disease", J Allergy Clin Im  |   | Diagnosis and Therapy of Allergic   |  |  |  |
| CRITCHFIELD, JM, et al.,<br>Encephalomyelitis", Science   | "T Cell Deletion in High Antigen<br>the Feb 25; 263(5150) 1139-43, 1994   | Dose Therapy of Autoimmune 4 (abstract)   |  |  |  |
| DE PALMA, R, et al., "Use<br>Possible Immunotheraphy I  | e Of Altered Peptide Ligands To M<br>For Allergies", Allergy: 55: Suppl 6   | odulate Immune Responses As A<br>51: 56-59, 2000  |  |  |  |
| DECKER, PATRICE, et al. (PARP) Apoptotic Cleavage Apoptosis", The Journal Of  | <del></del>   | ed Poly (ADP-Ribose) Polymerase<br>s And Effect On Cells Undergoing<br>The American Society For |  |  |  |
| DIETERICH, W., et al., Ide<br>Disease", Nat Med; 3(7):79  |   | nase As The Autoantigen Of Celiac   |  |  |  |
| Merck Corp., "Disorders W<br>Ch. 148, Hypersensitivity D  |   | tions", The Merck Manual, Sec. 12,  |  |  |  |
| DITZEL, HENRIK J., "Human Antibodies In Cancer And Autoimmune Disease", Immunologic Research; 21(2-3):185-193, 2000 |   |   |  |  |  |
|   | EARNSHAW WC, et al., "Identification Of A Family Of Human Centromere Proteins Using Autoimpune Sera From Patients With Scleroderma", (abstract) Chromosoma, 91(3-4):313-321, 1985 |   |  |  |  |
| ELKON, KB, et al., "Lupus 162(2): 459-471, August 1   |   | P Proteins", (abstract) J Exp Med,  |  |  |  |
| EXAMINER PLAN ST  | DATE CONSIDERED 3/  | 21/06   |  |  |  |

|                        |  |   | SHEET 4 OF 8  |  |  |  |
|------------------------|--|---|---|--|--|--|
| INFORMATION DISCLOSURE |  | ATTY. DOCKET NO.  | SERIAL NO.  |  |  |  |
|                        | TATEMENT   | 39754-0672A   | 09/847,208  |  |  |  |
|                        | PTO-1449   | APPLICANT: Andrew Saxon, et al.   |   |  |  |  |
|                        | 110-1445   | FILING DATE: 05/01/2001   | GROUP: 1644   |  |  |  |
|                        | OTHER DOCUMENTS  | Including Author, Title, Date, Pertin   | ent Pages, Etc.)  |  |  |  |
| Suk                    | FABIEN N., et al., "Autoar<br>Directed Against A Comme<br>13(1): 103-110, August 199   | ntibodies Directed Against The Ribo<br>on Epitope Of The P0, P1 And P2 P<br>99                                | osomal P Proteins Are Not Only roteins", (abstract) J Autoimmune,                                 |  |  |  |
|                        | FARIA AM, et al., "Oral T<br>Immunol, 73:153-264, 199  |   | eutic Applications", (abstract), Adv  |  |  |  |
|                        | Lupus Erythematosus Using  | lentification Of Candidate Endothel<br>g A Molecular Cloning Strategy: A<br>toantigen", Rheumatology (Oxford) | Role For Ribosomál P Protein PO   |  |  |  |
|                        | GIOVANNONI, G, et al., "<br>Lond, 33(4):315-22, Jul-Au   | Multiple Sclerosis And Its Treatme<br>g 1999  | nt", (abstract) J R Coll Physicians   |  |  |  |
|                        |  | "T-Cell Receptor Peptides As Immunotherapy For Autoimmune  In Immunology, (abstract) 17:507-510, 1997         |   |  |  |  |
|                        | Multiple Sclerosis, II. Com  | Phase I Clinical Trial Of A T-Cell I parative Analysis Of TCR Utilization With A TCRV Beta 6 CDR2 Pe          | Receptor Vaccine In Patients With on In CSF T-Cell Populations ptide", (abstract) J Neuroimmunol, |  |  |  |
|                        | GOLD, HA, et al., "The RN<br>Related to RNase P", (abstr   | IA Processing Engline RNase MRI<br>act) Science, 245 (4924): 1377-80, 2                                       | P Is Identical to the Th RNP And<br>2 September 1989  |  |  |  |
|                        | Psoriasis Vulgaris: Results  | nti-CD4 Monoclonal Antibody Trea<br>of a Pilot, Multicenter, Multiple-Do<br>atol, 43(4):595-604, October 2000 | atment of Moderate to Severe see, Placebo-Controlled Study",                                      |  |  |  |
|                        | GUNNARSSON, ANDREA Journal Of Biological Chem  | AS, et al, "Molecular Properties Of ustry, Vol. 275, No. 40, pp. 30844-                                       | The Goodpasture Epitope", The 30848, 6 October 2000   |  |  |  |
|                        | HASELDEN, B.M., et al., " Int Arch Allergy Immunol,  | Peptide-Mediated Immune Respond<br>122(4):229-37, 2000  | ses in Specific Immunotherapy",   |  |  |  |
|                        | HELLMARK, T., et al. "Characterization of Anti-GBM Antibodies Involved in Goodpasture's Syndrome", (abstract) Kidney Int, 46(3):823-9, September 1994                                    |   |   |  |  |  |
|                        | HIRANO, T., et al., "Human Tissue Distribution of TA02, which is Homologous with a New Type of Aspartic Proteinase, Napsin A", (abstract) Jpn J Cancer Res, 91(10):1015-21, October 2000 |   |   |  |  |  |
|                        | "Histones and Subclasses", July 30, 2001, PurifiedAntigens for Autoimmune Testing, (http://www.immunovision.com/pg0019.htm)  |   |   |  |  |  |
| $\bigvee$              | HUGHES, G.R., The Antiph<br>342(8867):341-344, August  | nospholipid Syndrome: Ten Years (<br>7, 1993  | On", (abstract) Lancet,   |  |  |  |
| EXAMINER               | Maix   | DATE CONSIDERED 3   | X/76  |  |  |  |
|                        | 7 2 7  |   | 1   |  |  |  |

|                                     |  |   | SHEEL 5 OF 8   |  |  |
|-------------------------------------|--|---|--|--|--|
| INFORMATION DISCLOSURE<br>STATEMENT |  | ATTY. DOCKET NO.  | SERIAL NO.   |  |  |
|                                     |  | 39754-0672A   | 09/847,208   |  |  |
|                                     | PTO-1449   | APPLICANT: Andrew Saxon, et al.   |  |  |  |
|                                     | 110-1447   | FILING DATE: 05/01/2001   | GROUP: 1644  |  |  |
|                                     |  | Including Author, Title, Date, Pertin   |  |  |  |
| Puk                                 | KARLSSON, F.A., et al., "Anemia is the acid-produci<br>Invest, 81(2):475-9, Februa   | ng H+, K+adenosine Triphosphatas  | oimmune Gastritis with Pernicious e of the Stomach", (Abstract) J Clin                       |  |  |
|                                     | KOZLOWSKI, MAYA, et<br>Interaction with Tyrosine 5<br>Biology, pp. 2089-2099, Vo   | al., "SHP-1 Binds and Negatively M<br>69 in the c-Kit Juxtamembrane Dor<br>ol. 18, No. 4, April 1998          | Modulates the c-Kit Receptor by nain", Molecular and Cellular                                |  |  |
|                                     | Kronus, "Addison's Diseas<br>(http:www.kronus.com/pro  | e", Enzyme Steroid 21-Hydroxylas<br>ducts/addisons.html), July 30, 2001                                       | e (21-OH) Antibody,  |  |  |
|                                     | Kronus, "Celiac Disease", (http://www.kronus.com/pro   | Fissue Transglutaminase (tTg) Autoducts/celiac.html), July 30, 2001   | pantibody,   |  |  |
|                                     | Kronus, "Diabetes", (http://   | www.kronus.com/products/diabetes.   | html), July 30, 2001   |  |  |
|                                     | Kronus, "Neuromuscular", (http://www.kronus.com/pro  | Myasthenia Gravis,<br>ducts/neuromuscular.html), July 30  | , 2001   |  |  |
|                                     | Kronus, "Thyroid Autoimm<br>2001   | nune", (http://www.kronus.com/prod  | ucts/thyroid-auto.html), July 30,  |  |  |
|                                     | Multiple Sclerosis Lesions   |   | rotein (MBP) T Cell Epitopes in<br>cific for the Human<br>9 complex", (abstract), J Exp Med, |  |  |
|                                     | LARCHE, MARK, "Specif  | ic Immunotherapy", British Medica   | al Bulletin, 56 (No. 4): 1019-1036,  |  |  |
|                                     | MALBEC, ODILE, et al., " Cell Cycle Arrest by FcyRI  | The SH2 Domain-containing Inosit IB", JBC Papers in Press., pp. 1-29  | tol 5-Phosphatase SHIP1 Mediates, May 18, 2001   |  |  |
|                                     | Antigen that Includes a Lip  | al., "Anti-Phospholipid Antibodies<br>id-Binding Inhibitor of Coagulation<br>USA, Vol. 87, pp. 4120-4124, Med | n: $\beta_2$ -Glycoprotein I (apolipoprotein   |  |  |
|                                     | MIMORI, T., et al., "Characterization of the DNA-binding protein antigen Ku recognized by autoantibodies from Patients with Rheumatic Disorders", (abstract) J. Biol. Chem., 261(5):2274-5 February 15, 1986 |   |  |  |  |
| 1                                   | MISAKI/Y., et al., "The 56K Autoantigen is Identical to Human Annexin XI", (Abstract) J. Chem. 269(6):4240-6, 11 February 1994   |   |  |  |  |
| V                                   | Immunovision (Brochure), (http://www.immunovision.   | "Mitochondrial Antigen", Purified com/pg0020.htm), July 30, 2001  | Antigens for Autoimmune Testing,   |  |  |
| EXAMINER                            | DI A TA  | DATE CONSIDERED 3   | 121/06   |  |  |
|                                     |  |   |  |  |  |

|  |   | ·   | SHEET 6 OF 8   |  |  |
|--|---|---|--|--|--|
| INFORMATION DISCLOSURE<br>STATEMENT  |   | ATTY. DOCKET NO.  | SERIAL NO.   |  |  |
|  |   | 39754-0672A   | 09/847,208   |  |  |
|  | PTO-1449  | APPLICANT: Andrew Saxon, et al.   |  |  |  |
|  | 110-1449  | FILING DATE: 05/01/2001   | GROUP: 1644  |  |  |
|  |   | Including Author, Title, Date, Perti  |  |  |  |
| Put  | Helical Peripheral Membra   | n Early Endosome-Associated Protone Protein Flanked by Cysteine "F<br>Chem., 270(22):13503-11, June 2 | ingers" and Contains a Calmodulin-                                     |  |  |
| 1  | Immunovision (Brochure),<br>(http://www.immunovision                    | "nRNP", Purified Antigens for Au<br>.com/pg0020.htm)  | toimmune Testing,  |  |  |
| ·  | NAKAJIMA, ATSUO, et a<br>Induced Arthritis", The Jou<br>2001            | al., "Antigen-Specific T Cell-Media<br>rnal of Clinical Investigation, Vol.                           | ated Gene Therapy in Collagen-<br>107, No. 10, pp. 1293-1301 May       |  |  |
|  | NEWKIRK, MARIANNA<br>Ribonucleoprotein (U1 snR<br>253-258, July 30 2001 | M., et al., "Autoimmune Response<br>NP) Associated with Cytomegalov                                   | to U1 Small Nuclear<br>virus Infection", Arthritis Res, 3:             |  |  |
|  | NORMAN, PHILIP S., "TI<br>Allergy, Vol. 71, pp. 330-3                   | herapeutic Potential of Peptides in<br>33, September 1993   | Allergic Disease", Annals of   |  |  |
|  | OKANO, Y., et al., "Autoa<br>in Patients with Systemic S                | ntibody to Th Ribonucleoprotein (clerosis", Arthritis Rheum, 33(12)                                   | Nucleolar 7-2 RNA Protein Particle): 1822-8, December 1990, (abstract) |  |  |
|  | ONO, S.J., "Molecular Ger<br>(abstract)                                 | netics of Allergic Diseases, Annu   | Rev Immunol, 18:347-66, 2000,  |  |  |
|  | ROCK, KENNETH L., et a<br>Presented Peptides", Annu.                    | al., "Degradation of Cell Proteins a<br>Rev. Immuriol., 17:739-79, 1999,                              | nd the Generation of MHC Class I-<br>(abstract)                        |  |  |
| ·  | CASCIO P, et al., "26Spro<br>Cersions of an Antigenic Po                | nteasomes and Immunoproteaseom<br>eptide (EMBO), 20(10):2357-230                                      | es Produce Mainly N-Extended<br>66, May 15, 2001, (abstract)           |  |  |
|  | SERWOLD T, et al., "ER A<br>Molecules", Nat. Immunol.                   | Aminopeptidases Generate a Unique, July 2001, (abstract)  | e Pool of Peptides for MHC Class I                                     |  |  |
| YEWDELL, JW., et al., "Not Such a Dismal Science: The Economics of Protein Special Folding, Degradation and Antigen Processing", Trends Cell Biol, 11(7):294-297, July (abstract)                          |   |   |  |  |  |
| FIEBIGER E., et al., "Cytokines Regulate Proteolysis in Major Histocompatibility complex Class II-Dependent Antigen Presentation Dendritic Cells" J. Exp. Med., 193(8):881-892, April 16, 2001, (abstract) |   |   |  |  |  |
| STOLTZEA, et al., "Two New Proteases in the MHC Class I Processing Pathway", Nat. Immunol., 1(5):413-418, November 2000, (abstract)  |   |   |  |  |  |
| MUNO D., et al., "Generation of both MHC Class I- and Class II-Restricted Antigenic Peptides from Exogenously Added Ovalbumin in Murin Phagosomes", FEBS Lett, 478(1-2)178-182, July 28, 2000, (abstract)  |   |   |  |  |  |
| XAMINER  | IZN X   | DATE CONSIDERED 2   | 181/02   |  |  |
|  | <del></del>   |   | T 1  |  |  |

|   |   | SHEET / OF 8   |  |  |  |  |
|---|---|--|--|--|--|--|
| TON DICCI OSUDE   | ATTY, DOCKET NO.  | SERIAL NO.   |  |  |  |  |
| INFORMATION DISCLOSURE<br>STATEMENT   | 39754-0672A   | 09/847,208   |  |  |  |  |
| PTO-1449  | APPLICANT: Andrew Saxon, et al.   |  |  |  |  |  |
| P10-1449  | FILING DATE: 05/01/2001   | GROUP: 1644  |  |  |  |  |
|   | (Including Author, Title, Date, Pert  |  |  |  |  |  |
| MANOURY B., et al., "Ar MHC Presentation", Natur  | A Asparaginyl Endopeptidase Procee, 396(6712):625-627, December   | esses a Microbial Antigen for Class II<br>17, 1998, (abstract)         |  |  |  |  |
| Auto Immune, Inc., "Over<br>Technology, July 30, 2001   | view of Oral tolerance Therapy" R, (http://www.autoimmuneinc.com  | esearch and Development – OT<br>VR_D/tech.html)                        |  |  |  |  |
| Immunovision (Brochure),<br>30, 2001, (http://www.imm   | "PCNA Antigen", Purified Antig<br>nunovision.com/pg0061.htm)  | gens for Autoimmune Testing, July                                      |  |  |  |  |
| PISETSKY, D.S., "The Ro<br>Microbiol Immunol, 247:1   | le of Bacterial DNA in Autoantibe<br>43-155, 2000   | ody Induction", (abstract) Curr Top                                    |  |  |  |  |
| Isoform of Glutamic Acid  | ion Proteins for Combined Analys<br>Decarboxylase and Islet Antigen-2<br>):926-34, May 2001, (abstract)                                 | sis of Autoantibodies to the 65-kda<br>2 in Insulin-Dependent Diabetes |  |  |  |  |
|   | "Ribosomal P Antigen", Purified immunovision.com/pg0021.htm)  | Antigens for Autoimmune Testing,                                       |  |  |  |  |
| RIDER, LISA G., et al., "L<br>Diagnostic Laboratory Imm   | aboratory Evaluation of the Inflar<br>nunology, Vol. 2, No. 1, p. 1-9, Ja   | nmatory Myopathies", Clinical and<br>n. 1995                           |  |  |  |  |
| RIESE, RICHARD J., et al<br>Immunity", J. Clin. Invest.   | , "Cathepsin S Activity Regulated<br>Vol. 101, No. 11, 2351-2363, Jun   | s Antigen Presentation And<br>ne 1998                                  |  |  |  |  |
| Immunovision (Brochure),<br>(http://www.immunovision  | "Ro/SS-A Antigen", July 30, 200<br>.com/pg0013.htm)   | 1,   |  |  |  |  |
| NOEL ROSE, et al., The A<br>Press 1998  | utoimmune Diseases: Table of Co   | ontents, Third Edition, Academic                                       |  |  |  |  |
| SARIC, TOMO, et al., "MI<br>Extracts Primarily by Thim  | IC Class I-Presented Antigenic Pet Oligopeptidase", JBC Papers in   | eptides are Degraded in Cytosolic<br>n Press., Published July 30, 2001 |  |  |  |  |
| Immunovision (Brochure)<br>(http://www.immunovision   | "Scl-70 Antigen", Purified Antigo<br>com/pg0017.htm), July 30, 2001   | ens for Autoimmune Testing"  |  |  |  |  |
| Immunovision (Brochure), "SMITH (sm) Antigen", Purified Antigens for Autoimmune Testing (http://www.immunovision.com/pg0015.htm), July 30, 2001 |   |  |  |  |  |  |
| SELA, M., "Specific Vaccines Against Autoimmune Diseases", C R Acad Sci III; 322(11):933-1<br>November 1999, (abstract)                         |   |  |  |  |  |  |
|   | SCHUPPAN, D, et al., "Identification of the Autoantigen of Celiac Disease", Ann N Y Acad Sci<br>859:121-6, 17 November 1998, (abstract) |  |  |  |  |  |
|   | lerosis: a Coordinated Immunologica<br>299-302, May 3 1996, (abstract)  | al Attack Against Myelin in the Central                                |  |  |  |  |
| XAMINER 181 X   | DATE CONSIDERED   | 3/21/06  |  |  |  |  |

|          | ·   |   | SHEET 8 OF 8                    |  |  |
|----------|---|---|---------------------------------|--|--|
| INFORMA  | ATION DISCLOSURE  | ATTY. DOCKET NO.  | SERIAL NO.                      |  |  |
| •        | TATEMENT  | 39754-0672A   | 09/847,208                      |  |  |
|          | PTO-1449  | APPLICANT: Andrew Saxon, et al.   |                                 |  |  |
|          |   | FILING DATE: 05/01/2001   | GROUP: 1644                     |  |  |
|          | OTHER DOCUMENTS   | (Including Author, Title, Date, Pertin  | ent Pages, Etc.)                |  |  |
| Furt     | STEINMAN, L., et al., "Pr<br>4(10):2726-31, July 1990,  | ospects for Specific Immunotherapy<br>(abstract)  | n Myasthenia Gravis" FASEB J.   |  |  |
|          |   | et al., "Endosomal Localization of the<br>Singer", The Journal of Biological C<br>7 1996  |                                 |  |  |
|          |   | ibodies: Diagnostic Markers for Aut<br>dv Immunol 1989, 44:93-151   | oimmune Diseases and Probes for |  |  |
|          |   | odies to Aminoacyl-Transfer RNA Synthetases are Antigenic in Myositi  |                                 |  |  |
|          | What are some Examples o  | y and Infectious Diseases, "Underst<br>f Autoimmune Diseases: Rheumato<br>publications/autoimmune/examples."                        | oid Arthritis.                  |  |  |
|          |   | E.C., et al., "EBV-Induced Expression<br>Cells of aB-Crystallin, a Candidate A<br>of Immunologists, 1299                            |                                 |  |  |
|          | VAN VENROOIJ, W.J., et<br>Kluwer Academic Publishe  | al., "Manual of Biological Markers  | of Disease", Table of Contents, |  |  |
|          |   | enroij Research Team, Research Top<br>Department of Biochemistry, Unive   |                                 |  |  |
|          |   | , Short Analytical Review, "Peptide<br>Immunology and Immunopathology   |                                 |  |  |
|          | WARDROP, III, R.M., et al<br>Disease, Inflamm. res., 48, 1  | oral Tolerance in the Treatment of Inflammatory Autoimmune pp. 106-119, 1990  |                                 |  |  |
|          |   | l., "Anti-Titin Antibodies in Myasthenia Gravis: Tight Association with a Patients", Archives of Neurology, Vol 58, No.6, June 2001 |                                 |  |  |
|          | GERMAIN, R.N., "The T Cell Receptor for Antigen: Signaling and Ligand Discrimination", The Journal of Biglogical Chemistry, Vol. 276, No. 38, pp. 35223-35226, July 2, 2001 |   |                                 |  |  |
| <i>i</i> | Immunovision (Brochure), "La/SS-B", Purified Antigens for Autoimmune Testing, (http://www.immunovision.com/pg0014.htm), July 30, 2001                                       |   |                                 |  |  |
|          |   | nune Diseases: A Discussion of the derican Autoimmune Related Diseas  |                                 |  |  |
| EXAMINER | MNN   | DATE CONSIDERED 3/  | 21/06                           |  |  |
|          | 1 1 1 1   |   | t —                             |  |  |

|                        |  |                                    |                             |  |                      | _               |                  |              |          |
|------------------------|--|------------------------------------|-----------------------------|--|----------------------|-----------------|------------------|--------------|----------|
| INFORMATION DISCLOSURE |  |                                    | ATTY. DOCKET NO. SERIAL NO. |  |                      |                 |                  |              |          |
|                        | TATEMENT   |                                    | 39754-0672A 09/847,208      |  |                      |                 |                  |              |          |
|                        | PTO-1449   |                                    |                             | APPLICANT: Andrew Saxon, et al.                      |                      |                 |                  |              |          |
|                        | 110-140  |                                    | FILING                      | G DATE: 05/01/2001                                   | (                    | GRO             | OUP: 1644        |              |          |
|                        |  | U.S                                | . PATE                      | NT DOCUMENTS   |                      |                 |                  |              |          |
| EXAMINER'S<br>INITIALS | PATENT NO.   | DATE                               |                             | NAME   | CLAS                 | SS              | SUBCLASS         | FILING       | DATE     |
| Put                    | 2005/0250934   | 11/10/2005                         | Chang                       | ; Yi Wang, et al.                                    | -530                 | <u> </u>        | <del>387.1</del> |              | - /      |
|                        |  |                                    |                             |  |                      |                 |                  |              |          |
|                        |  | FORI                               | EIGN PA                     | TENT DOCUMENTS                                       |                      |                 |                  | /_           | <u> </u> |
| EXAMINER'S             | PATENT NO.   | DATI                               | Е                           | COUNTRY  | CLAS                 | ss              | SUBCLASS         | <del>/</del> | LATION   |
| INITIALS               |  |                                    |                             |  |                      |                 |                  | YES          | NO       |
|                        |  |                                    | <u></u>                     |  |                      |                 |                  |              |          |
|                        |  | ·.                                 |                             |  |                      |                 |                  |              |          |
|                        |  |                                    |                             | Author, Title, Date, Pe                              |                      | /               |                  |              |          |
| Put                    | ASHMAN, ROE<br>Immunology, Vo  |                                    |                             | eptor Off Signal in the B                            | Cell In              | volv            | es Apoptosis",   | The Jour     | nal of   |
|                        | BOWIE, JAMES<br>Substitutions", S  | SU., et al., "De<br>cience, Vol. 2 | ecipherin<br>47, pp.13      | g the Message in Protein<br>06-1310, 16 March 1990   | Sequen               | ices:           | Tolerance to A   | mino Ac      | id       |
|                        | CUNNINGHAM<br>Alanine-Scannin  | I, BRIAN C., o<br>g Mutagenesis    | et al., "Hi<br>s", Scienc   | gh-Resolution Epitope M<br>e, Vol. 2444 pp. 1081-108 | lappin o<br>35, 2 Ju | of hC<br>ine 1  | GH-Receptor In   | teraction    | s by     |
|                        | ELLISON, J., et<br>1981  | al., "Nucleotic                    | de Sequen                   | ice of a Human Immunog                               | lobulin              | C <sub>rt</sub> | Gene", DNA,      | Vol. 1, N    | o. 1,    |
|                        | JI, TAE H., et al.   | , "Bifunctiona                     | i Reagent                   | s", Methods of Enzymol                               | ogy, Vo              | ol. 91          | l, pp. 581-609,  | 1983         |          |
|                        | McKNIGHT, ST<br>April 1991,  | EVEN LANIE                         | RS "Mon                     | cular Zippers in Gene Re                             | egulatio             | on", i          | Scientific Amer  | rican, pp.   | 54-64,   |
|                        |  |                                    |                             | D HUMAN SERVICES,<br>on, Table of Contents, pp       |                      |                 |                  | lmmuno       | logical  |
|                        |  |                                    |                             | ucture of IgE Fc Reveals<br>81-686, July 2002        | an Asy               | /mm             | etrically Bent C | Conforma     | tion",   |
|                        | WARREN, KG, et al., Administration of Myelin Basic Protein Synthetic Peptides to Multiple Sclerosis Patients", (abstract), J. Neurol. Sci., Vol. 133, No. 1-2, pp.85-94, November 1995       |                                    |                             |  |                      | șis             |                  |              |          |
|                        | SHINGO YABUUCHI, et al., "Anti-Cd23 Monoclonal Antibody (IgE Inhibition Involves the Fc Portion of the Molecules", Abstract 597, J. Allergy Clin. Immunol., Volume 107, No. 2, February 2001 |                                    |                             |  |                      |                 |                  |              |          |
|                        | ZHU, DAOCHENG, et al., "A Novel Human Ig Fcγ-Fcε Chimeric Fusion Protein Inhibits FcεRI-Mediated Degrapulation", (abstract), May 4-7, 2001   |                                    |                             |  |                      |                 |                  |              |          |
|                        |  |                                    |                             | Fcγ-Fcε Chimeric Fusion<br>nmunology, Vol.99, No.1   |                      |                 |                  | diated       |          |
| EXAMINER               |  | DATE                               | CONSIDERED                  | 3,   | Tx.                  | 106             |                  |              |          |

|                        |  |  |                                 |  |            |      |          | 111111                                | <u> </u> |
|------------------------|--|--|---------------------------------|--|------------|------|----------|---------------------------------------|----------|
| INFORMA                | INFORMATION DISCOOSURE   |  |                                 | ATTY. DOCKET NO. SERIAL NO.                |            |      |          |                                       |          |
| S                      | TATEMENT   | T T T T T T T T T T T T T T T T T T T    | 39754-0672A <b>09/847,208</b>   |  |            |      |          | <del> </del>                          |          |
| :                      | PTO-149 DEC  | 1 8 2005                                 | APPLICANT: Andrew Saxon, et al. |  |            |      |          |                                       |          |
|                        | A REAL PROPERTY OF THE PARTY OF | S. S. S. S. S. S. S. S. S. S. S. S. S. S | FILING D                        | ATE: 05/01/2001                            | (          | GRO  | UP: 1644 |                                       |          |
|                        |  | U.S                                      | . PATENT                        | DOCUMENTS                                  |            |      |          |                                       |          |
| EXAMINER'S<br>INITIALS | PATENT NO.   | DATE                                     |                                 | NAME                                       | CLAS       | ss   | SUBCLASS | FILING                                | G DATE   |
| Pult                   | 5,141,648  | 08/25/1992                               | Hylarides                       | , et al.                                   | 210        | ,    | 635      |                                       |          |
|                        | 5,358,710  | 10/25/1994                               | Sehon, et                       | al.  | 424        | •    | 178.1    |                                       |          |
|                        | 5,512,283  | 04/30/1996                               | Byers, et                       | al.  | 424        | •    | 171.1    |                                       |          |
|                        | 5,558,869  | 09/24/1996                               | Burks, Jr.                      | , et al.                                   | 424        | 1    | 276.1    |                                       |          |
|                        | 5,560,915  | 10/01/1996                               | Patterson                       | , et al.                                   | 424        | • 🗸  | 275.1    |                                       | _        |
|                        | 5,637,454  | 06/10/1997                               | John B. H                       | larley                                     | 435        | 5    | 005      |                                       | -        |
|                        | 5,645,820  | 07/08/1997                               | David Al                        | len Halfer, et al.                         | 424        | •    | 041      |                                       |          |
|                        | 5,672,683  | 09/30/1997                               | Friden, et                      | al.  | 530        | )    | 350      |                                       |          |
|                        | 5,736,507  | 05/07/1998                               | Anna Maria Boots, et al.        |  | 514        | 1    | 095      |                                       |          |
|                        | 5,843,449  | 12/01/1998                               | Anna Maria Boots, et al.        |  | 424        | 1    | 185.     |                                       |          |
|                        | 5,869,093  | 02/09/1999                               | Howard L. Weiner, et al.        |  | 424        | 1    | 451      |                                       |          |
|                        | 5,880,103  | 03/09/1999                               | Urban, et al.                   |  | 514        | •    | 44       |                                       |          |
|                        | 5,977,307  | 11/05/1999                               | Friden, et                      | al.  | 530        | )    | 350      |                                       |          |
|                        | 6,103,697  | 08/15/2000                               | Bergstran                       | d, et al.                                  | 514        | 1    | 14       |                                       |          |
|                        | 6,214,974  | 04/10/2001                               | Rosenblu                        | Rosenblum, et al.                          |            | )    | 391.9    |                                       |          |
|                        | 6,228,373  | 05/08/2001                               | Bergstran                       | d, et al.                                  | 424        | 1    | 278.1    | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | \        |
|                        | 6,228,374  | 05/08/2001                               | Bergstran                       | d, et al.                                  | 424        | •    | 278.1    |                                       | 1        |
|                        | 6,287,792  | 09/11/2001                               | Pardridge                       | , et al.                                   | 435        | ;    | 7.5      |                                       | 1        |
|                        | 6,372,250  | 04/16/2002                               | Pardridge                       | , et al.                                   | 424        |      | 450      |                                       | 1        |
|                        |  | FORE                                     | IGN PATE                        | NT DOCUMENTS                               |            |      |          |                                       |          |
| EXAMINER'S<br>INITIALS | PATENT NO.   | DA                                       | <b>TE</b>                       | COUNTRY                                    | CLAS       | ss   | SUBCLASS | TRANS                                 | LATION   |
| INITIALS               |  | -  |                                 |  |            |      |          | YES                                   | NO       |
| Puk                    | WO 2000/005254   | 3 February                               | 2000                            | WIPO                                       | C071       | K    | 14/47    |                                       | Ø        |
| PN                     | WO 1999/067293   | 29 Decemb                                | per 1999                        | WIPO                                       |            | 1    | 16/46    |                                       |          |
|                        |  |  |                                 | ithor, Title, Date, Pe                     |            |      |          |                                       |          |
| PN                     |  | nd Reactive                              | Site", The                      | ibition of Mammali<br>Journal of Biologica |            |      |          |                                       |          |
| EXAMINER               | M N. 7/2   |  | DATE CO                         | DNSIDERED                                  | <u>3</u> / | 21,  | 106      |                                       |          |
|                        | 7 - 17   |  |                                 |  |            | - (- |          |                                       |          |

|                        |   |  | SHEET 2 OF 8                  |  |  |
|------------------------|---|--|-------------------------------|--|--|
| INFORMATION DISCLOSURE |   | ATTY. DOCKET NO.   | SERIAL NO.                    |  |  |
|                        | TATEMENT  | 39754-0672A  | 09/847,208                    |  |  |
|                        | PTO-1449  | APPLICANT: Andrew Saxon, et al.  |                               |  |  |
|                        |   | FILING DATE: 05/01/2001  | GROUP: 1644                   |  |  |
|                        | OTHER DOCUMENTS   | (Including Author, Title, Date, Pertin   | ent Pages, Etc.)              |  |  |
| Puk -                  |   | lated Diseases Association, Questiorda.org/questions_and_answers.htm   |                               |  |  |
|                        |   | ssionals: Anaphylaxis, pp. 1-10, 09<br>org/professional/allergy_update/anap                                    |                               |  |  |
|                        | Dihydrolipoyl Transacylas   | ope Mapping of the Branched Chair<br>e (BCKD-E2) Protein that Reacts w<br>hyopathy", (abstract), J Immunol, 15 | ith Sera from Patients with   |  |  |
|                        | AroTec Diagnostics Limite (http://webnz.com/arotec/n  | ed - B2-Glycoprotein 1 (human), pp.<br>nasa5002.htm)   | 1-3, July 12, 2001            |  |  |
|                        | AroTec Diagnostics Limite (http://webnz.com/arotec/n  | ed - Myeloperoxidase (pANCA) Ant<br>masa5009.htm)  | igen, pp. 1-3, July 12, 2001  |  |  |
|                        | AroTec Diagnostics Limite (http://webnz.com/arotec/n  | ed - Proteinase 3 (cANCA) Antigen,<br>masa5008.htm)  | pp. 1-3, July 12, 2001        |  |  |
|                        | AroTec Diagnostics Limite (http://webnz.com/arotec/n  | ed - La (SSB) Antigen, pp. 1-3, July<br>nasa5010.htm)  | 12, 2001                      |  |  |
|                        | AroTec Diagnostics Limite (http://webnz.com/arotec/n  | ed - Ro (SSA) Antigen, pp. 1-3, July<br>nasa5011.htm)  | 11, 2001                      |  |  |
|                        | AroTec Diagnostics Limite (http://webnz.com/arotec/n  | ed - Sm Antigen, pp. 1-3, July 12, 20<br>masa5007.htm)   | 001                           |  |  |
|                        | AroTec Diagnostics Limite (http://webnz.com/arotec/n  | ed - RNP/Sm Antigen, pp. 1-3, July<br>masa5006.htm)  | 12, 2001                      |  |  |
|                        | AroTec Diagnostics Limite (http://webnz.com/arotec/n  | ed - Scl-70 Antigen, pp. 1-3, July 12<br>nasa5001.htm)   | , 2001                        |  |  |
|                        | AroTec Diagnostics Limite (http://webnz.com/arotec/n  | ed - Parietal Cell Antigen (H/K-ATP<br>nasa5004.htm)   | rase), pp. 1-3, July 12, 2001 |  |  |
|                        | AroTec Diagnostics Limite (http://webnz.com/arotec/m  | ed - Jo-1 Antigen, pp. 1-2, 07/11/200<br>nasa5005.htm)   | )1                            |  |  |
|                        | "Autoantigen Sequences", pp. 1-3, 07/11/2001 (http://129.206.51.31/mb/ana_base.html)  |  |                               |  |  |
|                        | "Autoimmune Disease: Rapid Progress in our Understanding of Immune Function Promises M<br>Effective Treatments for Autoimmune Disorders", Nature Biotechnology, Vol. 18, pp. IT7-IT9<br>Supplement 2000 |  |                               |  |  |
|                        | BARKER RN, et al., "Red Blood Cell Glycophorins as B and T-cell Antigents in Canine Autoimmune Haemolytic Anaemia", (abstract) Vet Immunol Immunopathol, 47(3-4):225-38, August 1995                    |  |                               |  |  |
| EXAMINER               | MAN   | DATE CONSIDERED ?  | 12/06                         |  |  |
|                        | 1 + 11  |  |                               |  |  |

|                                     |                              |   | SHEET 3 OF 8   |  |  |
|-------------------------------------|------------------------------|---|--|--|--|
| INFORMATION DISCLOSURE<br>STATEMENT |                              | ATTY. DOCKET NO.  | SERIAL NO.   |  |  |
|                                     |                              | 39754-0672A   | 09/847,208   |  |  |
| PTO-1449                            |                              | APPLICANT: Andrew Saxon, e  | APPLICANT: Andrew Saxon, et al.  |  |  |
| 110 1117                            |                              | FILING DATE: 05/01/2001   | GROUP: 1644  |  |  |
| OTHER DO                            | CUMENTS                      | (Including Author, Title, Date, Perti   | nent Pages, Etc.)  |  |  |
|                                     |                              | iple Sclerosis", J. Immunol, Vol. 1:<br>c/crystalline.html)                             | 29-135, pp. 1-5, July 20, 2001   |  |  |
| Lesions: An E                       | arly Event F                 |   | Cells in Active Multiple Sclerosis ation", The American Association of |  |  |
|                                     |                              | re on "Autoimmune Disease", The 37.1.60/Lectures/PB/Autoimmune.                         | University of Connecticut, pp. 1-6, atml)                              |  |  |
| Humans with S                       | ystemic Lu                   | ency and Epitope Recognition of A<br>pus Erythematosus and MRL/lpr M<br>37, 15 May 1998 |  |  |  |
|                                     |                              | T-Cell Receptor Peptide Vaccinati<br>pies for Rheumatoid Arthritis, Vol                 | on in the Treatment of Rheumatoid . 24, pp. 641-650, 1998              |  |  |
| CAMBIER, JC<br>94, pp. 5993-59      |                              | tary: Inhibitory receptors abound?  | ", Proc. Natl. Acad. Sci. USA, Vol.                                    |  |  |
|                                     |                              | et al., "Recombinant Allergens formunol, pp. 409-418, 2000                              | r Diagnosis and Therapy of Allergic                                    |  |  |
|                                     |                              | , "T Cell Deletion in High Antigen<br>ce Feb 25; 263(5150):1139-43, 199                 |  |  |  |
|                                     |                              | e Of Altered Peptide Ligands To M<br>For Allergies", Allergy: 55: Suppl                 | Iodulate Immune Responses As A<br>61: 56-59, 2000                      |  |  |
| (PARP) Apopto<br>Apoptosis", Th     | otic Cleavage<br>e Journal O |   |  |  |  |
|                                     |                              | entification Of Tissue Transglutam<br>97-801, July 1997 (abstract)                      | inase As The Autoantigen Of Celiac                                     |  |  |
|                                     |                              | Vith Type III Hypersensitivity Reac<br>Disorders, July 12, 2001                         | tions", The Merck Manual, Sec. 12,                                     |  |  |
| DITZEL, HEN<br>Research; 21(2-      |                              |   | toimmune Disease", Immunologic   |  |  |
|                                     |                              | Identification Of A Family Of Hurtients With Scleroderma", (abstrac                     | nan Centromere Proteins Using t) Chromosoma, 91(3-4):313-321,          |  |  |
| ELKON, KB, e<br>162(2): 459-47      |                              |   | P Proteins", (abstract) J Exp Med,                                     |  |  |
| EXAMINER 11 1                       |                              | DATE CONSIDERED 3/  | H/oL   |  |  |

|                                     |  |   | SHEET 4 OF 8                         |  |  |
|-------------------------------------|--|---|--------------------------------------|--|--|
| INFORMATION DISCLOSURE<br>STATEMENT |  | ATTY. DOCKET NO.  | SERIAL NO.                           |  |  |
|                                     |  | 39754-0672A   | 09/847,208                           |  |  |
|                                     | PTO-1449   | APPLICANT: Andrew Saxon, et al.   |                                      |  |  |
|                                     |  | FILING DATE: 05/01/2001   | GROUP: 1644                          |  |  |
|                                     | OTHER DOCUMENTS  | Including Author, Title, Date, Pertin   | ent Pages, Etc.)                     |  |  |
| Polit                               |  | ntibodies Directed Against The Ribosomal P Proteins Are Not Only on Epitope Of The P0, P1 And P2 Proteins", (abstract) J Autoimmune, 99 |                                      |  |  |
|                                     | FARIA AM, et al., "Oral T<br>Immunol, 73:153-264, 199  |   | eutic Applications", (abstract), Adv |  |  |
|                                     | FRAMPTON, G., et al., "Identification Of Candidate Endothelial Cell Autoantigens In Systemic Lupus Erythematosus Using A Molecular Cloning Strategy: A Role For Ribosomal P Protein PO As An Endothelial Cell Autoantigen", Rheumatology (Oxford), (abstract) 39(10):1114-1120, October 2000               |   |                                      |  |  |
|                                     | GIOVANNONI, G, et al., "Multiple Sclerosis And Its Treatment", (abstract) J R Coll Physicians Lond, 33(4):315-22, Jul-Aug 1999   |   |                                      |  |  |
|                                     | GOLD, DANIEL P., et al., "T-Cell Receptor Peptides As Immunotherapy For Autoimmune Disease", Critical Reviews™ In Immunology, (abstract) 17:507-510, 1997  |   |                                      |  |  |
| ·                                   | GOLD, DP, "Results Of A Phase I Clinical Trial Of A T-Cell Receptor Vaccine In Patients With Multiple Sclerosis. II. Comparative Analysis Of TCR Utilization In CSF T-Cell Populations Before And After Vaccination With A TCRV Beta 6 CDR2 Peptide", (abstract) J Neuroimmunol, 76(1-2):29-38, July 1997  |   |                                      |  |  |
|                                     | GOLD, HA, et al., "The RNA Processing Enzyme RNase MRP Is Identical to the Th RNP And Related to RNase P", (abstract) Science, 245(4924):1377-80, 22 September 1989  |   |                                      |  |  |
|                                     | GOTTLIEB, A.B., et al., Anti-CD4 Monoclonal Antibody Treatment of Moderate to Severe Psoriasis Vulgaris: Results of a Pilot, Multicenter, Multiple-Dose, Placebo-Controlled Study", (abstract) J Am Acad Dermatol, 43(4):595-604, October 2000   |   |                                      |  |  |
|                                     | GUNNARSSON, ANDREAS, et al., "Molecular Properties Of The Goodpasture Epitope", The Journal Of Biological Chemistry, Vol. 275, No. 40, pp. 30844-30848, 6 October 2000  HASELDEN, B.M., et al., "Peptide-Mediated Immune Responses in Specific Immunotherapy Int Arch Allergy Immunol, 122(4):229-37, 2000 |   |                                      |  |  |
|                                     |  |   |                                      |  |  |
|                                     | HELLMARK, T., et al., "Characterization of Anti-GBM Antibodies Involved in Goodpasture's Syndrome", (abstract) Kidney Int, 46(3):823-9, September 1994   |   |                                      |  |  |
|                                     | HIRANO, T., et al., "Human Tissue Distribution of TA02, which is Homologous with a New Type of Aspartic Proteinase, Napsin A", (abstract) Jpn J Cancer Res, 91(10):1015-21, October 2000   |   |                                      |  |  |
|                                     | "Histones and Subclasses", July 30, 2001, PurifiedAntigens for Autoimmune Testing, (http://www.immunovision.com/pg0019.htm)  |   |                                      |  |  |
| $\sqrt{}$                           | HUGHES, G.R., The Antiphospholipid Syndrome: Ten Years On", (abstract) Lancet, 342(8867):341-344, August 7, 1993   |   |                                      |  |  |
| EXAMINER                            | MA Th  | DATE CONSIDERED 3   | 12/06                                |  |  |
|                                     |  |   |                                      |  |  |

| INFORMATION DISCLOSURE<br>STATEMENT<br>PTO-1449 |   | ATTY. DOCKET NO.   | SERIAL NO.  |  |  |
|---|---|--|---|--|--|
|   |   | 39754-0672A  | 09/847,208  |  |  |
|   |   | APPLICANT: Andrew Saxon, et al.                              |   |  |  |
|   | 110-140   | FILING DATE: 05/01/2001                                      | GROUP: 1644   |  |  |
|   | OTHER DOCUMENTS   | Including Author, Title, Date, Pe                            | rtinent Pages, Etc.)  |  |  |
| Put   |   | ng H+, K+adenosine Triphospha                                | Autoimmune Gastritis with Pernicious atase of the Stomach", (Abstract) J Clir                                   |  |  |
|   |   | 69 in the c-Kit Juxtamembrane                                | ly Modulates the c-Kit Receptor by Domain", Molecular and Cellular  |  |  |
|   | Kronus, "Addison's Disease", Enzyme Steroid 21-Hydroxylase (21-OH) Antibody, (http:www.kronus.com/products/addisons.html), July 30, 2001  Kronus, "Celiac Disease", Tissue Transglutaminase (tTg) Autoantibody, (http:www.kronus.com/products/celiac.html), July 30, 2001  Kronus, "Diabetes", (http:www.kronus.com/products/diabetes.html), July 30, 2001  Kronus, "Neuromuscular", Myasthenia Gravis, (http:www.kronus.com/products/neuromuscular.html), July 30, 2001  |  |   |  |  |
|   |   |  |   |  |  |
|   |   |  |   |  |  |
|   |   |  |   |  |  |
|   | Kronus, "Thyroid Autoimmune", (http://www.kronus.com/products/thyroid-auto.html), July 30, 2001   |  |   |  |  |
|   | KROGSGAARD, M., et al., "Visualization of Myelin Basic Protein (MBP) T Cell Epitopes in Multiple Sclerosis Lesions Using a Monoclonal Antibody Specific for the Human Histocompatibility Leukocyte Antigen (HLA)-DR2-MBP 85-99 complex", (abstract), J Exp Med April 17;191(8):1395-412, 2000  LARCHE, MARK, "Specific Immunotherapy", British Medical Bulletin, 56 (No. 4): 1019-1036, 2000  MALBEC, ODILE, et al., "The SH2 Domain-containing Inositol 5-Phosphatase SHIP1 Mediates Cell Cycle Arrest by FcγRIIB", JBC Papers in Press., pp. 1-29, May 18, 2001 |  |   |  |  |
|   |   |  |   |  |  |
|   |   |  |   |  |  |
|   | Antigen that Includes a Lip   |  | dies are Directed Against a Complex tion: $\beta_2$ -Glycoprotein I (apolipoprotein Medical Sciences, June 1990 |  |  |
|   |   |  | protein antigen Ku recognized by abstract) J. Biol. Chem., 261(5):2274-8.                                       |  |  |
| ,   | MISAKI, Y., et al., "The 50<br>Chem., 269(6):4240-6, 11 l   |  | uman Annexin XI", (Abstract) J. Biol.   |  |  |
| $\overline{\bigvee}$                            |   | "Mitochondrial Antigen", Purificom/pg0020.htm), July 30, 200 | ied Antigens for Autoimmune Testing,  |  |  |
| EXAMINER  | MIN   | DATE CONSIDERED  | 3/21/06   |  |  |

|  | · — = = <del> </del>   |  |  |  |   |
|--|--|--|--|--|---|
| SCLOSURE   | ATTY. DOCKET NO.   | SERIAL NO.   |  |  |   |
| INFORMATION DISCLOSURE STATEMENT PTO-1449  |  | 09/847,208   |  |  |   |
|  |  | APPLICANT: Andrew Saxon, et al.  |  |  |   |
|  |  | GROUP: 1644  |  |  |   |
| R DOCUMENTS  | (Including Author, Title, Date, Pertin   | ent Pages, Etc.)   |  |  |   |
| MU, F.T., et al., "EEA1, an Early Endosome-Associated Protein. EEA1 is a Conserved Alpha-Helical Peripheral Membrane Protein Flanked by Cysteine "Fingers" and Contains a Calmoduli Binding IQ Motif", J. Biol. Chem., 270(22):13503-11, June 2 1995   |  |  |  |  |   |
| Immunovision (Brochure), "nRNP", Purified Antigens for Autoimmune Testing, (http://www.immunovision.com/pg0020.htm)  |  |  |  |  |   |
| NAKAJIMA, ATSUO, et al., "Antigen-Specific T Cell-Mediated Gene Therapy in Collagen-Induced Arthritis", The Journal of Clinical Investigation, Vol. 107, No. 10, pp. 1293-1301 May 2001  |  |  |  |  |   |
| NEWKIRK, MARIANNA M., et al., "Autoimmune Response to U1 Small Nuclear Ribonucleoprotein (U1 snRNP) Associated with Cytomegalovirus Infection", Arthritis Res, 3: 253-258, July 30 2001  |  |  |  |  |   |
| NORMAN, PHILIP S., "Therapeutic Potential of Peptides in Allergic Disease", Annals of Allergy, Vol. 71, pp. 330-333, September 1993  |  |  |  |  |   |
| OKANO, Y., et al., "Autoantibody to Th Ribonucleoprotein (Nucleolar 7-2 RNA Protein Particle) in Patients with Systemic Sclerosis", Arthritis Rheum, 33(12):1822-8, December 1990, (abstract)  |  |  |  |  |   |
| ONO, S.J., "Molecular Genetics of Allergic Diseases", Annu Rev Immunol, 18:347-66, 2000, (abstract)  |  |  |  |  |   |
| ROCK, KENNETH L., et al., "Degradation of Cell Proteins and the Generation of MHC Class I-Presented Peptides", Annu. Rev. Immunol., 17:739-79, 1999, (abstract)  |  |  |  |  |   |
| CASCIO P, et al., "26Sproteasomes and Immunoproteaseomes Produce Mainly N-Extended Cersions of an Antigenic Peptide", EMBO J, 20(10):2357-2366, May 15, 2001, (abstract)  SERWOLD T, et al., "ER Aminopeptidases Generate a Unique Pool of Peptides for MHC Class Molecules", Nat. Immunol., July 2001, (abstract) |  |  |  |  |   |
|  |  |  |  |  | YEWDELL, JW., et al., "Not Such a Dismal Science: The Economics of Protein Sythesis, Folding, Degradation and Antigen Processing", Trends Cell Biol, 11(7):294-297, July 2001, (abstract) |
| FIEBIGER E., et al., "Cytokines Regulate Proteolysis in Major Histocompatibility complex Class II-Dependent Antigen Presentationby Dendritic Cells" J. Exp. Med., 193(8):881-892, April 16, 2001, (abstract)   |  |  |  |  |   |
| STOLTZE L, et al., "Two New Proteases in the MHC Class I Processing Pathway", Nat. Immunol., 1(5):413-418, November 2000, (abstract)   |  |  |  |  |   |
| genously Added (   |  |  |  |  |   |
| EXAMINER M. DATE CONSIDERED 3/21/06  |  |  |  |  |   |
|  | RE DOCUMENTS  C., et al., "EEA1, ar Peripheral Membra IQ Motif", J. Biolovision (Brochure), ww.immunovision  MA, ATSUO, et al. Arthritis", The Jou  RK, MARIANNA Reoprotein (U1 snr. July 30 2001  N, PHILIP S., "Tolly 30-30  N, Y., et al., "Autoatts with Systemic State of an Antigenic Polymer of | APPLICANT: Andrew Saxon, et  FILING DATE: 05/01/2001  ER DOCUMENTS (Including Author, Title, Date, Pertir., et al., "EEA1, an Early Endosome-Associated Prote-Peripheral Membrane Protein Flanked by Cysteine "Fi IQ Motif", J. Biol. Chem., 270(22):13503-11, June 2 vision (Brochure), "nRNP", Purified Antigens for Autww.immunovision.com/pg0020.htm)  IMA, ATSUO, et al., "Antigen-Specific T Cell-Media Arthritis", The Journal of Clinical Investigation, Vol. RK, MARIANNA M., et al., "Autoimmune Response leoprotein (U1 snRNP) Associated with Cytomegalov July 30 2001  IN, PHILIP S., "Therapeutic Potential of Peptides in A Vol. 71, pp. 330-333, September 1993  IV, ., et al., "Autoantibody to Th Ribonucleoprotein (It swith Systemic Sclerosis", Arthritis Rheum, 33(12): J., "Molecular Genetics of Allergic Diseases", Annu Extension of Cell Proteins and Peptides", Annu. Rev. Immunol., 17:739-79, 1999, (In P., et al., "26Sproteasomes and Immunoproteaseome of an Antigenic Peptide", EMBO J, 20(10):2357-236  LD T, et al., "ER Aminopeptidases Generate a Unique as", Nat. Immunol., July 2001, (abstract)  LL, JW., et al., "Not Such a Dismal Science: The Eco Degradation and Antigen Processing", Trends Cell Biological Cells of the Cological Cells of the Cells of Cells o |  |  |   |

|  | ~ · · · · · · · · · · · · · · · · · · ·   | · · · · · · · · · · · · · · · · · · · |  |  |  |  |
|--|---|---------------------------------------|--|--|--|--|
| INFORMATION DISCLOSURE                 | ATTY. DOCKET NO.  | SERIAL NO.                            |  |  |  |  |
| STATEMENT                              | 39754-0672A   | 09/847,208                            |  |  |  |  |
| PTO-1449                               | APPLICANT: Andrew Saxon, et al.   |                                       |  |  |  |  |
| 1101117                                | FILING DATE: 05/01/2001   | GROUP: 1644                           |  |  |  |  |
| OTHER DOCUMENTS                        | (Including Author, Title, Date, Pertin  | ent Pages, Etc.)                      |  |  |  |  |
|  | MANOURY B., et al., "An Asparaginyl Endopeptidase Processes a Microbial Antigen for Class II MHC Presentation", Nature, 396(6712):625-627, December 17, 1998, (abstract)  |                                       |  |  |  |  |
|  | Auto Immune, Inc., "Overview of Oral tolerance Therapy" Research and Development – OT Technology, July 30, 2001, (http://www.autoimmuneinc.com/R_D/tech.html)   |                                       |  |  |  |  |
|  | Immunovision (Brochure), "PCNA Antigen", Purified Antigens for Autoimmune Testing, July 30, 2001, (http://www.immunovision.com/pg0061.htm)  |                                       |  |  |  |  |
|  | PISETSKY, D.S., "The Role of Bacterial DNA in Autoantibody Induction", (abstract) Curr Top Microbiol Immunol, 247:143-155, 2000   |                                       |  |  |  |  |
| Isoform of Glutamic Acid               | RICKERT, M., et al., "Fusion Proteins for Combined Analysis of Autoantibodies to the 65-kda<br>Isoform of Glutamic Acid Decarboxylase and Islet Antigen-2 in Insulin-Dependent Diabetes<br>Mellitus", Clin Chem, 47(5):926-34, May 2001, (abstract) |                                       |  |  |  |  |
|  | Immunovision (Brochure), "Ribosomal P Antigen", Purified Antigens for Autoimmune Testing, July 30, 2001, (http://www.immunovision.com/pg0021.htm)   |                                       |  |  |  |  |
|  | RIDER, LISA G., et al., "Laboratory Evaluation of the Inflammatory Myopathies", Clinical and Diagnostic Laboratory Immunology, Vol. 2, No. 1, p. 1-9, Jan. 1995   |                                       |  |  |  |  |
|  | RIESE, RICHARD J., et al., "Cathepsin S Activity Regulates Antigen Presentation And Immunity", J. Clin. Invest., Vol. 101, No. 11, 2351-2363, June 1998   |                                       |  |  |  |  |
|  | Immunovision (Brochure), "Ro/SS-A Antigen", July 30, 2001, (http://www.immunovision.com/pg0013.htm)   |                                       |  |  |  |  |
| NOEL ROSE, et al., The A<br>Press 1998 | NOEL ROSE, et al., The Autoimmune Diseases: Table of Contents, Third Edition, Academic Press 1998   |                                       |  |  |  |  |
|  | SARIC, TOMO, et al., "MHC Class I-Presented Antigenic Peptides are Degraded in Cytosolic Extracts Primarily by Thimet Oligopeptidase", JBC Papers in Press., Published July 30, 2001  |                                       |  |  |  |  |
|  | Immunovision (Brochure), "Scl-70 Antigen", Purified Antigens for Autoimmune Testing" (http://www.immunovision.com/pg0017.htm), July 30, 2001  |                                       |  |  |  |  |
|  | Immunovision (Brochure), "SMITH (sm) Antigen", Purified Antigens for Autoimmune Testing" (http://www.immunovision.com/pg0015.htm), July 30, 2001  |                                       |  |  |  |  |
|  | SELA, M., "Specific Vaccines Against Autoimmune Diseases", C R Acad Sci III; 322(11):933-8, November 1999, (abstract)   |                                       |  |  |  |  |
|  | SCHUPPAN, D, et al., "Identification of the Autoantigen of Celiac Disease", Ann N Y Acad Sci., 859:121-6, 17 November 1998, (abstract)  |                                       |  |  |  |  |
|  | clerosis: a Coordinated Immunological<br>:299-302, May 3 1996, (abstract)   | Attack Against Myelin in the Central  |  |  |  |  |
| EXAMINER 3 2                           | DATE CONSIDERED   | RN                                    |  |  |  |  |

|   |  |  | SHEET 8 OF 8                    |  |  |  |
|---|--|--|---------------------------------|--|--|--|
| INFORMATION DISCLOSURE<br>STATEMENT<br>PTO-1449 |  | ATTY. DOCKET NO.                                 | SERIAL NO.                      |  |  |  |
|   |  | 39754-0672A                                      | 09/847,208                      |  |  |  |
|   |  | APPLICANT: Andrew Saxon, et al.                  |                                 |  |  |  |
|   |  | FILING DATE: 05/01/2001                          | GROUP: 1644                     |  |  |  |
|   |  | (Including Author, Title, Date, Pertin           |                                 |  |  |  |
| Pult  | STEINMAN, L., et al., "Pro<br>4(10):2726-31, July 1990, (  | ospects for Specific Immunotherapy<br>(abstract) | in Myasthenia Gravis" FASEB J.; |  |  |  |
|   | STENMARK, HARALD, et al., "Endosomal Localization of the Autoantigen EEA1 is Mediated by a Zinc-Binding FYVE Finger", The Journal of Biological Chemistry, Vol. 271, No. 39, pp. 24048-24054, September 27 1996                                |  |                                 |  |  |  |
|   | Tan EM, "Antinuclear Antibodies: Diagnostic Markers for Autoimmune Diseases and Probes for Cell Biology", (abstract), Adv Immunol 1989, 44:93-151  |  |                                 |  |  |  |
|   | TARGOFF IN, "Autoantibodies to Aminoacyl-Transfer RNA Synthetases for Isoleucine and Glycine. Two Additional Synthetases are Antigenic in Myositis; J Immunol, 144(5):1737-1743, 1 March 1990, (abstract)                                      |  |                                 |  |  |  |
|   | National Institute of Allergy and Infectious Diseases, "Understanding Autoimmune Disease - What are some Examples of Autoimmune Diseases: Rheumatoid Arthritis. (http://www.niaid.nih.gov/publications/autoimmune/examples.htm), July 11, 2001 |  |                                 |  |  |  |
|   | VAN SECHEL, ARIANNE C., et al., "EBV-Induced Expression and HLA-DR-Restricted Presentation by Human B Cells of aB-Crystallin, a Candidate Autoantigen in Multiple Sclerosis", The American Association of Immunologists, 1999                  |  |                                 |  |  |  |
|   | VAN VENROOIJ, W.J., et al., "Manual of Biological Markers of Disease", Table of Contents, Kluwer Academic Publishers,  |  |                                 |  |  |  |
|   | VAN VENROOIJ, W.J., Venroij Research Team, Research Topics, General Introduction, "Autoantigens", (abstract), Department of Biochemistry, University of Nijmegen, 11 July 2001   |  |                                 |  |  |  |
|   | WALLNER, BARBARA P., Short Analytical Review, "Peptide Therapy for Treatment of Allergic Diseases, Clinical Immunology and Immunopathology, Vol. 80, No. 2, August, pp. 105-109, 1996  |  |                                 |  |  |  |
|   | WARDROP, III, R.M., et al, "Oral Tolerance in the Treatment of Inflammatory Autoimmune Disease, Inflamm. res., 48, pp. 106-119, 1990   |  |                                 |  |  |  |
|   | YAMAMOTO, A.M., et al., "Anti-Titin Antibodies in Myasthenia Gravis: Tight Association with Thymoma of Nonthymoma Patients", Archives of Neurology, Vol 58, No.6, June 2001  |  |                                 |  |  |  |
|   | GERMAIN, R.N., "The T Cell Receptor for Antigen: Signaling and Ligand Discrimination", The Journal of Biological Chemistry, Vol. 276, No. 38, pp. 35223-35226, July 2, 2001  |  |                                 |  |  |  |
|   | Immunovision (Brochure), "La/SS-B", Purified Antigens for Autoimmune Testing, (http://www.immunovision.com/pg0014.htm), July 30, 2001  |  |                                 |  |  |  |
| V   | ROSE, N.R., "The Autoimmune Diseases: A Discussion of the Causes and Treatment of Autoimmune Diseases", American Autoimmune Related Diseases Associate, July 26, 2001  |  |                                 |  |  |  |
| EXAMINER  | nay  | DATE CONSIDERED                                  | 3/21/06                         |  |  |  |
| T   | r 11   |  |                                 |  |  |  |

|   |  |  |            |                                       |                   |                 |             | • • •  |
|---|--|--|------------|---------------------------------------|-------------------|-----------------|-------------|--------|
| INFORMATION DISCEOSITRE STATEMENT PTO-1449: 09 7000 E |  | ATTY.  | DOCKET NO. | SEI                                   | UAL NO.           |                 |             |        |
|   |  | 39754-0672A 09/847,208   |            |                                       |                   |                 |             |        |
|   |  | APPLICANT: Andrew Saxon, et al.  |            |                                       |                   |                 |             |        |
|   | J. OEC   |  | FILING     | DATE: 05/01/2001                      | GR                | OUP: 1644       |             | •      |
| <del> </del>  | TENTATI  | RADIS. U.S   | . PATE     | NT DOCUMENTS                          |                   |                 |             |        |
| EXAMINER'S<br>INITIALS                                | PATENT NO.   | DATE   | NAME       |                                       | CLASS             | SUBCLASS        | FILING DATE |        |
| Richt   | 2005/0250934   | 11/10/2005   | Chang      | Yi Wang, et al.                       | · <del>5</del> 30 | 387.1           |             |        |
| ¥   |  |  |            |                                       |                   |                 |             |        |
|   |  | FORE   | EIGN PA    | TENT DOCUMENTS                        |                   |                 |             |        |
| EXAMINER'S  | PATENT NO.   | PATENT NO. DATI  |            | E COUNTRY                             |                   | SUBCLASS        | TRANSLATION |        |
| INITIALS  |  |  |            | · · · · · · · · · · · · · · · · · · · | <del></del>       | <u>.</u>        | YES         | NO     |
|   |  |  |            |                                       | <u> </u>          |                 |             |        |
|   |  |  |            | ,                                     | L                 |                 |             |        |
|   | 1  |  |            | Author, Title, Date, Pe               |                   |                 |             |        |
| Ret   | ASHMAN, ROE<br>Immunology, Vo  |  |            | eptor Off Signal in the B             | Cell Invol        | ves Apoptosis", | The Jour    | mal of |
|   | BOWIE, JAMES U., et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", Science, Vol. 247, pp.1306-1310, 16 March 1990   |  |            |                                       |                   |                 |             |        |
|   | CUNNINGHAM, BRIAN C., et al., "High-Resolution Epitope Mappin of hGH-Receptor Interactions by Alanine-Scanning Mutagenesis", Science, Vol. 244, pp. 1081-1085, 2 June 1989                                       |  |            |                                       |                   |                 |             |        |
|   | ELLISON, J., et al., "Nucleotide Sequence of a Human Immunoglobulin C <sub>74</sub> Gene", DNA, Vol. 1, No. 1, 1981  |  |            |                                       |                   |                 |             |        |
|   | JI, TAE H., et al., "Bifunctional Reagents", Methods of Enzymology, Vol. 91, pp. 581-609, 1983   |  |            |                                       |                   |                 |             |        |
|   | McKNIGHT, STEVEN LANIER, "Molecular Zippers in Gene Regulation", Scientific American, pp. 54-64, April 1991,   |  |            |                                       |                   |                 |             |        |
|   | U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES, "Sequences of Proteins of Immunological Interest", Vol. II and Vol. III, Fifth Edition, Table of Contents, pp. iii-xi, 1991  |  |            |                                       |                   |                 |             |        |
|   | WAN, TOMMY, et al., "The Crystal Structure of IgE Fc Reveals an Asymmetrically Bent Conformation", Nature Immunology, Vol. 3, No. 7, pp. 681-686, July 2002  |  |            |                                       |                   |                 |             |        |
|   | WARREN, KG, et al., "Administration of Myelin Basic Protein Synthetic Peptides to Multiple Sclerosis Patients", (abstract), J. Neurol. Sci., Vol. 133, No. 1-2, pp.85-94, November 1995                          |  |            |                                       |                   |                 |             |        |
|   |  | SHINGO YABUUCHI, et al., "Anti-Cd23 Monoclonal Antibody (IgE Inhibition Involves the Fc Portion of the Molecules", Abstract 597, J. Allergy Clin. Immunol., Volume 107, No. 2, February 2001 |            |                                       |                   |                 |             |        |
|   | ZHU, DAOCHENG, et al., "A Novel Human Ig Fcγ-Fcε Chimeric Fusion Protein Inhibits Fcε RI-Mediated Degranulation", (abstract), May 4-7, 2001  |  |            |                                       |                   |                 |             |        |
| $\downarrow$  | ZHU, DAOCHENG, et al., "A Novel Ig Fc\(\gamma\)Fc\(\epsilon\) Chimeric Fusion Protein Inhibits Fc\(\epsilon\)RI Mediated Degranulation", Abstract 273, Clinical Immunology, Vol.99, No.1, pg 193, April 19, 2001 |  |            |                                       |                   |                 |             |        |
| FXAMINER  | M. 1   |  | DATE       | CONSIDERED                            | · Z               | 121/1           |             |        |